

In the claims:

1. (Currently Amended) A cabling media comprising:

a first twisted wire pair including first and second conductors, each separately surrounded by an insulation, wherein the first conductor and the second conductor are continuously twisted about each other along a length of the cabling media, and wherein the first conductor and the second conductor twist completely about each other, three hundred **and** sixty degrees, at a first interval which **purposefully** varies along the length of the cabling media;

a second twisted wire pair including third and fourth conductors, each separately surrounded by an insulation, wherein the third conductor and the fourth conductor are continuously twisted about each other along the length of the cabling media, and wherein the third conductor and the fourth conductor twist completely about each other, three hundred **and** sixty degrees, at a second interval which **purposefully** varies along the length of the cabling media;

a third twisted wire pair including fifth and sixth conductors, each separately surrounded by an insulation, wherein the fifth conductor and the sixth conductor are continuously twisted about each other along the length of the cabling media, and wherein the fifth conductor and the sixth conductor twist completely about each other, three hundred **and**

sixty degrees, at a third interval which **purposefully** varies along the length of the cabling media; and

a fourth twisted wire pair including seventh and eighth conductors, each separately surrounded by an insulation, wherein the seventh conductor and the eighth conductor are continuously twisted about each other along the length of the cabling media, and wherein the seventh conductor and the eighth conductor twist completely about each other, three hundred **and** sixty degrees, at a fourth interval which **purposefully** varies along the length of the cabling media, wherein the first interval **purposefully** varies in length within a first range of values, the second interval **purposefully** varies in length within a second range of values, the third interval **purposefully** varies in length within a third range of values, and the fourth interval **purposefully** varies in length within a fourth range of values, wherein the first range of values has a first mean value, the second range of values has a second mean value, the third range of values has a third mean value, and the fourth range of values has a fourth mean value, and wherein the first mean value is different than the second mean value.

2. (Original) The cabling media according to claim 1, wherein the first range of values is different than the second, third and fourth ranges of values.

3. (Original) The cabling media according to claim 2, wherein the second range of values is different than the third and fourth ranges of values.

4. (Original) The cabling media according to claim 3, wherein the third range of values is different than the fourth range of values.

5. (Currently Amended) The cabling media according to claim 1, wherein the ~~first range of values has a~~ first mean value ~~of~~ is approximately 0.44 inches.

6. (Currently Amended) The cabling media according to claim 5, wherein the ~~second range of values has a~~ second mean value ~~of~~ is approximately 0.41 inches.

7. (Currently Amended) The cabling media according to claim 6, wherein the ~~third range of values has a~~ third mean value ~~of~~ is approximately 0.59 inches.

8. (Currently Amended) The cabling media according to claim 7, wherein the ~~fourth range of values has a~~ fourth mean value ~~of is~~ is approximately 0.67 inches.

9. (Currently Amended) The cabling media according to claim 1, wherein the first range of values **purposefully** varies within approximately +/- 0.05 inches ~~from a~~ from the first mean value of the first range of values.

10. (Currently Amended) The cabling media according to claim 9, wherein the second range of values **purposefully** varies within approximately +/- 0.05 inches ~~from a~~ from the second mean value of the second range of values, the third range of values **purposefully** varies within approximately +/- 0.05 inches ~~from a~~ from the third mean value of the third range of values, and the fourth range of values **purposefully** varies within approximately +/- 0.05 inches ~~from a~~ from the fourth mean value of the fourth range of values.

11. (Original) The cabling media according to claim 1, wherein the first range of values resides between about 0.39 inches and about 0.49 inches.

12. (Original) The cabling media according to claim 11, wherein the second range of values resides between about 0.36 inches and about 0.46 inches, the third range of values resides between about 0.54 inches and about 0.64 inches, and the fourth range of values resides between about 0.62 inches and about 0.72 inches.

13. (Currently Amended) The cabling media according to claim 1, wherein the first, second, third and fourth twisted wire pairs are continuously twisted about each other along the length of the cabling media, and wherein the first, second, third and fourth twisted wire pairs twist completely about each other, three hundred ~~and~~ sixty degrees, at a fifth interval which **purposefully** varies along the length of the cabling media, and wherein the fifth interval **purposefully** varies in length within a fifth range of values.

14. (Original) The cabling media according to claim 13, wherein the fifth range of values has a fifth mean value of approximately 4.4 inches.

15. (Currently Amended) The cabling media according to claim 13, wherein the fifth range of values **purposefully** varies within approximately +/- 3.0 inches from a fifth mean value of the fifth range of values.

16. (Original) The cabling media according to claim 13, wherein the fifth range of values resides between about 1.4 inches and about 7.4 inches.

17. (Original) The cabling media according to claim 1, wherein the first, second, third and fourth twisted wire pairs do not include individual shielding layers to shield each from the other.

18. (Original) The cabling media according to claim 1, further comprising:

a jacket surrounding the first, second, third and fourth twisted wire pairs.

19. (Original) The cabling media of claim 18, wherein the first through eighth conductors are metallic conductors including copper and are twenty-four gauge.

20. (Original) The cabling media of claim 1, wherein the cabling media meets the specifications of CAT 5, CAT 5e or CAT 6 cabling.

21. (Currently Amended) The cabling media of claim 1, further comprising:

fifth through twenty-fifth twisted wire pairs, each twisted pair including a pair of conductors and each conductor separately surrounded by an insulation, wherein the respective pairs of conductors are continuously twisted about each other along a length of the cabling media, and wherein the respective pairs of conductors twist completely about each other, three hundred **and** sixty degrees, at respective fifth through twenty-fifth intervals which **purposefully** vary along the length of the cabling media.

22. (Currently Amended) A method of making a cabling media comprising the steps of:

providing first and second conductors, each separately surrounded by an insulation;

continuously twisting the first and second conductors about each other to form a length of a first twisted wire pair, wherein the first conductor and the second conductor are twisted completely about each other, three hundred **and** sixty degrees, at a **purposefully** varying first interval along the length of the first twisted wire pair;

providing third and fourth conductors, each separately surrounded by an insulation;

continuously twisting the third and fourth conductors about each other to form a length of a second twisted wire pair, wherein the third conductor and the fourth conductor are twisted completely about each other, three hundred **and** sixty degrees, at a **purposefully** varying second interval along the length of the second twisted wire pair;

providing fifth and sixth conductors, each separately surrounded by an insulation;

continuously twisting the fifth and sixth conductors about each other to form a length of a third twisted wire pair, wherein the fifth conductor and the sixth conductor are twisted completely about each other, three hundred **and** sixty degrees, at a **purposefully** varying third interval along the length of the third twisted wire pair;

providing seventh and eighth conductors, each separately surrounded by an insulation; and

continuously twisting the seventh and eighth conductors about each other to form a length of a fourth twisted wire pair, wherein the seventh conductor and the eighth conductor are twisted completely about each other, three hundred **and** sixty degrees, at a **purposefully** varying fourth interval along the length of the fourth twisted wire pair, wherein the first interval **purposefully** varies in length within a first range of values, the second interval **purposefully** varies in length within a second range of values, the third interval **purposefully** varies in length

within a third range of values, and the fourth interval **purposefully** varies in length within a fourth range of values, **wherein the first range of values has a first mean value, the second range of values has a second mean value, the third range of values has a third mean value, and the fourth range of values has a fourth mean value, and wherein the first mean value is different than the second mean value.**

23. (Original) The method according to claim 22, wherein the first range of values is different than the second, third and fourth ranges of values.

24. (Original) The method according to claim 23, wherein the second range of values is different than the third and fourth ranges of values, and the third range of values is different than the fourth range of values.

25. (Currently Amended) The method according to claim 22, wherein the ~~first range of values has a~~ first mean value ~~of is~~ approximately 0.44 inches.

26. (Currently Amended) The method according to claim 25, wherein the ~~second range of values has a~~ second mean value ~~of is~~

approximately 0.41 inches, the ~~third range of values has a~~ third mean value ~~of is~~ approximately 0.59 inches, and the ~~fourth range of values has a~~ fourth mean value ~~of is~~ approximately 0.67 inches.

27. (Currently Amended) The method according to claim 22, wherein the first range of values **purposefully** vary within approximately +/- 0.05 inches ~~from a~~ from the first mean value of the first range of values.

28. (Currently Amended) The method according to claim 27, wherein the second range of values **purposefully** vary within approximately +/- 0.05 inches ~~from a~~ from the second mean value of the second range of values, the third range of values **purposefully** vary within approximately +/- 0.05 inches ~~from a~~ from the third mean value of the third range of values, and the fourth range of values **purposefully** vary within approximately +/- 0.05 inches ~~from a~~ from the fourth mean value of the fourth range of values.

29. (Original) The method according to claim 22, wherein the first range of values resides between about 0.39 inches and about 0.49 inches.

30. (Original) The method according to claim 29, wherein the second range of values resides between about 0.36 inches and about 0.46 inches, the third range of values resides between about 0.54 inches and about 0.64 inches, and the fourth range of values resides between about 0.62 inches and about 0.72 inches.

31. (Currently Amended) The method according to claim 22, further comprising the steps of:

continuously twisting the first, second, third and fourth twisted wire pairs about each other along the length of the cabling media, wherein the first, second, third and fourth twisted wire pairs are twisted completely about each other, three hundred **and** sixty degrees, at a **purposefully** varying fifth interval along the length of the cabling media, wherein the fifth interval varies in length within a fifth range of values.

32. (Original) The method according to claim 31, wherein the fifth range of values has a fifth mean value of approximately 4.4 inches.

33. (Currently Amended) The method according to claim 31, wherein the fifth range of values **purposefully** varies within approximately +/- 3.0 inches from a fifth mean value of the fifth range of values.

34. (Original) The method according to claim 31, wherein the fifth range of values resides between about 1.4 inches and about 7.4 inches.

35. (Currently Amended) A cabling media comprising:

a plurality of conductor-pairs, each of said conductor-pairs including two metallic conductors each separately surrounded by an insulation and which along essentially the entire length of the cable media are twisted together in accordance with a twist scheme including a first pair having a twist length **purposefully** varying by at least +/- 0.01 inches **about at first mean value** along the length of the cabling media; a second pair having a twist length **purposefully** varying by at least +/- 0.01 inches **about at second mean value** along the length of the cabling media; a third pair having a twist length **purposefully** varying by at least +/- 0.01 inches **about at third mean value** along the length of the cabling media; and a fourth pair having a twist length **purposefully** varying by at least +/- 0.01 inches **about at fourth mean value** along the length of the cabling media; and

a jacket enclosing **the said** plurality of conductor-pairs, **wherein the first mean value is different than the second mean value.**

36. (Currently Amended) The cabling media of claim 35, wherein **the said** plurality of conductor-pairs are twisted together to form a core.

37. (Currently Amended) The cabling media of claim 36, wherein ~~the~~ **said** core has a twist length which **purposefully** varies by at least +/- 0.01 inches along the length of the cabling media.

38. (Original) The cabling media of claim 35, wherein the cabling media meets the specifications of CAT 5, CAT 5e or CAT 6 cabling.

39. (Currently Amended) A cabling media comprising:

a plurality of conductor-pairs, each of said conductor-pairs including two metallic conductors each separately surrounded by an insulation and which along essentially the entire length of the cable media are twisted about each other in accordance with a twist scheme, wherein:

~~at least one~~ **a first** of the conductor pairs has a twist length, defined as a length along the cabling media during which the two conductors of the **first** conductor-pair twist completely about each other, three hundred ~~and~~ sixty degrees, which **purposefully** varies along the length of the cabling media **about a first mean value;** and

a second of the conductor pairs has a twist length,
defined as a length along the cabling media during which the

two conductors of the second conductor-pair twist completely about each other, three hundred sixty degrees, which varies along the length of the cabling media about a second mean value; and

a jacket enclosing the plurality of conductor-pairs, **wherein the first mean value is different than the second mean value.**

40. (Canceled)

41. (Currently Amended) The cabling media according to claim 39, wherein at least three of the conductor pairs have twist lengths which **purposefully** vary along the length of the cabling media.

42. (Currently Amended) A cabling media comprising:

a first twisted wire pair including first and second conductors, each separately surrounded by an insulation, wherein the first conductor and the second conductor are continuously twisted about each other along a length of the cabling media, and wherein the first conductor and the second conductor twist completely about each other, three hundred **and** sixty degrees, at a first interval along the length of the cabling media; and

a second twisted wire pair including third and fourth conductors, each separately surrounded by an insulation, wherein the third conductor and the fourth conductor are continuously twisted about each other along the length of the cabling media, and wherein the third conductor and the fourth conductor twist completely about each other, three hundred **and** sixty degrees, at a second interval along the length of the cabling media, wherein the first and second twisted wire pairs are continuously twisted about each other along the length of the cabling media, and wherein the first and second twisted wire pairs twist completely about each other, three hundred **and** sixty degrees, at a core strand interval which **purposefully** varies along the length of the cabling media.

43. (Currently Amended) The cabling media according to claim 42, wherein the core strand interval **purposefully** varies in length within a core strand interval range of values, and wherein the core strand interval range of values has a mean value of approximately 4.4 inches.

44. (Currently Amended) The cabling media according to claim 42, wherein the core strand interval **purposefully** varies in length within a core strand range of values, and wherein the core strand range of values

purposefully varies within approximately ± 3.0 inches from a core strand mean value of the core strand range of values.

45. (Currently Amended) The cabling media according to claim 42, wherein the core strand interval **purposefully** varies in length within a core strand range of values, and wherein the core strand range of values resides between about 1.4 inches and about 7.4 inches.